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THE PINE TREE SHIELD
Elizabeth C. Flint

Doubleday Doran & Co., 1943

Review by A. A. Simpson, Assistant Regional Forester
Forest Service, Albuquerque, New Mexico

This novel is based on the life of a colorful figure in American forestry --the late Howard R. Flint who for more than 20 years served with the U. S. Forest Service. It is a wife's honest appraisal of her husband's aspirations and experiences, and a highly enlightening chapter in the history of American forestry.

Reading this book one travels old trails from "watching the long transcontinental train that had dumped us here slide after the telegraph poles into the horizon" to the Hayden National Forest and Jimmy Blackhall, its only supervisor, Hog Park tie camp, and Joe Eames, the ranger; Wagon Wheel Gap and Peter Koplinger and on to the end of the trail.

The same people, the same parts of the West, the same fires, the same problems - or were they? - that I followed. The Wind River and Duncuir tie camps which weren't there in 1900. The 1806 camp site of Lewis and Clark where "Hugh Kent" and I camped in 1925. Lodgepole pine 110 years old had changed the slopes from an open area "where we (Lewis and Clark) found forage for our animals" to a dense cover of timber. The fires of 1926, 1929, and 1934 and "Hugh Kent" dropping maps and penciled notes from his plane overhead, thus guiding our ground efforts with his all-seeing eye.

BEEES

FIRST LESSONS IN BEEKEEPING. C. P. Dadant. American Bee Journal, Hamilton, Ill. 1941. 424 D12Fi

PRODUCTIVE BEE-KEEPING: MODERN METHODS OF PRODUCTION AND MARKETING OF HONEY. Frank C. Pellett. Lippincott, 1928. 424 P36

BOTANY

ECONOMIC BOTANY, a textbook of useful plants and plant products. Albert F. Hill. McGraw-Hill, 1937. 452.8 H55

INTRODUCTION TO PLANT PATHOLOGY. Frederick DeForest Heald. McGraw-Hill, 1943. 2d Ed. 464 H34In

BOTANY (con't)

WILDFOWL FOOD PLANTS; their value, propagation, and management. W. L. McAtee.
Collegiate Press, Ames, Iowa. 1939. 463.3 M11

CONSUMER EDUCATION

CONSUMER EDUCATION: background, present status, and future possibilities.

James E. Mendenhall. Appleton-Century, 1943. 280 M522

The volume begins with a discussion of the background of consumer education. Then follows a discussion of the present achievements, as well as possible developments, on all levels and in all departments of education. There is a timely chapter on consumer education in wartime and an excellent bibliography of available publications on the subject.

Consumer Reports. "Facts you need before you buy". Published monthly by Consumers Union of United States, Inc. Albany, N.Y. Available for regular routing.

CROPS

Agricultural outlook charts, 1943. USDA. BAE. 1943.

Comparative figures on acreage, yield and production, 1910-1942.

CHEMICAL GARDENING; latest developments in soilless culture of plants. D. R. Matlin. Chemical Publishing Co., 1942. 90.15 M426

PRACTICAL TOMATO CULTURE. Frank C. Pellett & M. A. Pellett. De La Mare Co. N.Y. 1930 91.58 P36

THE PRODUCTION OF FIELD CROPS; a textbook of agronomy. T. B. Hutcheson, T. K. Wolfe and M. S. Kipps. McGraw-Hill, 1936. 64 H97

Psyllid control on potatoes and tomatoes in the victory garden. Colorado Agr. Exp. Station Bulletin 479. May, 1943.

Root systems of certain forage crops in relation to the management of agricultural soils. Thomas Pavlychenko. Dominion Dept. of Agric., Ottawa, Canada. 1942.

Strawberry production in Colorado. Colorado Agr. Exp. Station Bulletin 481.

Sugar beet seed growing in Utah. Utah Agr. Ext. Service C-118. Feb. 1943.

Trends in the production of and demand for New Mexico pinto beans. New Mexico Agr. Exp. Station Press Bulletin 978. Sept. 1943.

ECONOMICS

AMERICANS ALL. Studies in intercultural education. The National Education Association. Washington, D. C. 1942. 280.12 N2173

The editors hope that this study will serve to enlarge and deepen the scope of work in intercultural education not only today but thru many years of peace which, it is hoped, will follow the second world war.

ECONOMICS (continued)

MODERN MAN IN THE MAKING. Otto Neurath. Knopf, 1939. 280 N392

This book deals with social facts of world-wide importance. Nations, classes, states, well-to-do and poor people are described by means of simple charts and statements. It is a special picture-text style which should enable anybody to walk through the modern world that is beginning to appear about us and see it as he may see a landscape with its hills and plains, woods, and meadows.

THE PRICE OF FREE WORLD VICTORY. Henry A. Wallace. L. B. Fisher, 1942.
230 W156Pri

An address delivered May 8, 1942 to the members and guests of the Free World Association at a dinner at the Hotel Commodore in New York.

SOUTHERN REGIONS OF THE UNITED STATES. Howard W. Odum. Univ. of North Carolina Press. Chapel Hill. 1936. 280.002 Od8s

Although the general objective of this study is the southern region, it is a comprehensive and enduring index of regional culture which may be variously utilized; as a basis for practical planning and specialized research; comparative studies of the same or other regions; regional and subregional classification, and as an introduction to the appraisal of American regional cultures. The volume is a storehouse of practical state information, covering an almost unbelievably wide range of topics, all of which are combined into the development of a regional picture.

FOOD

Canning meat at home. New Mexico Agr. Ext. Service C-177. January, 1943.

Freezing vegetables and fruits. Colorado Agr. Exp. Sta. B-478. May, 1943.

Frozen foods from freezer lockers. Utah Agr. Ext. Service N.S.-116. 1943.

Making American cheese on the farm for home consumption. USDA FB-1734. 1934.

Making and using a food dehydrator. Colorado Agr. Exp. B-477. May, 1943.

OUR FOOD. Laura Baxter. Lippincott, 1943. 389 B454

All phases of the family's daily food requirements, the planning of balanced menus, and buying wisely are discussed. There is emphasis on the preparation and serving of the family food and school lunches.

2000 USEFUL FACTS ABOUT FOOD; labor, time and money-saving hints, advice and suggestions. Ruth Berolzheimer, ed. Consolidated Book Publishers, Inc., Chicago. 1941. 389 B454

FORESTRY

FOREST ECONOMICS AND FINANCE. P. L. Buttrick. Wiley, 1943. 99.7 B98

The author presents a background of economic fundamentals in forestry terms and builds upon this in a way that should be helpful to all foresters and to others who are interested in forestry. The subject matter is so presented as to be readily understandable and interesting, even to the novice.

FORESTRY

WOOD TECHNOLOGY: CONSTITUTION, PROPERTIES AND USES. Harry Donald Tiemann.

N.Y. Pitman, 1942. 99.79 T44

A clear presentation of wood as a material formed by the action of life processes; biological destructive agencies and preservation measures.

HOME ECONOMICS

OUR CLOTHING. Laura Baxter, M. M. Justin and L. O. Rust. Chicago. Lippincott, 1943. 319 B330

In an attempt to develop appreciation of the ideals of worthy home membership through the study of clothing this little book covers the various steps in sewing, care of clothing, maintaining and storing.

OUR HOME AND FAMILY. Laura Baxter, M. M. Justin and L. O. Rust. Chicago, Lippincott, 1943. 321 B33

Based on and adapted from a part of the contents of SHARING HOME LIFE, by the same authors, 1940.

Sewing machines, cleaning and adjusting. USDA FB-1944. August, 1943.

LIVESTOCK

ANIMAL BREEDING. L. M. Winters. Wiley, 1939. 40 W73

Effects of phosphorus supplements on cattle grazing on range deficient in this material, USDA TB-856 1943

Lamb diseases in Colorado feedlots. Colorado Agr. Exp. Sta. B-474. 1943.

Lamb feeding. Pt. 1. The use of alfalfa hay for fattening lambs. Pt. 2. Effect of breeding and other factors on the gains of feeder lambs. New Mexico Agr. Exp. Sta. B-309. July, 1943.

PERSONNEL

APTITUDES AND APTITUDE TESTING. Walter Van Dyke Bingham. Harper, 1937. 275 B51

Loss is incurred by society as well as by the individual when ambitions are ill-advised - misdirection of effort is costly. When a man is misplaced in his work, he is likely to find that adjustments are troublesome. This book has been prepared primarily for those concern it is to help inquirers intelligently to plan their training and their later occupational advancement.

How to do more work easier. USDA, Office of Personnel. Washington, D. C.

PUBLIC PERSONNEL PROBLEMS, from the standpoint of the operating officer. Lewis Meriam. Brookings Institution. Washington. 1938. 249.3 M54

Three objectives have been sought in the preparation of this book: (1) To attempt to see public personnel administration as a whole; (2) to view it from the standpoint of an operating officer responsible for getting a certain task done or rendering a specific governmental service; and (3) to deal with the subject as simply and as realistically as possible, making free use of illustrative cases.

PLANNING

Area analysis-- a method of public works planning. National Resources Planning Board. Washington. April, 1943. 173.2 N214

Human conservation. The story of our wasted resources. National Resources Planning Board. Washington. March, 1943. 173.2 N214

The North Pacific Planning Project (Alaska). Report of Progress, May, 1943. National Resources Planning Board. Washington. June. 1943. 173.2 N214

The outlook for domestic air transport. National Planning Association. Planning pamphlet No. 21. Washington, D. C. Sept. 1943.

SOILS

Acidulated fertilizers for Arizona soils. Arizona Agr. Exp. Sta. TB-101. 1943.

CONSERVATION OF THE SOIL. A. F. Gustafson. McGraw-Hill, 1937. 56.7 G97
Various soil characteristics are discussed; the maintenance of the organic-matter content of the soil; an adequate vegetative cover for the soil; and practical measures for the control of soil erosion.

Studies in soil structure. Bound water in normal and puddled soils. Arizona Agr. Exp. Sta. TB-100. June, 1943.

SOUTHWEST, HISTORY AND PEOPLE

DEZBA, WOMAN OF THE DESERT. Gladys A. Reichard. N.Y. J.J. Augustin, 1939. 134 R27

This interesting story of Navajo behavior and attitudes toward their complex social and religious organization, gives a picture of daily life and adaptation to objects and notions which have been introduced by the Whites. Dezba is one of the 48,000 Navajo Indians who inhabit over 25,000 square miles of Arizona and New Mexico. The book is illustrated with unusual photographs.

THE GREAT PLAINS. Walter Prescott Webb. Houghton Mifflin, 1936. 135 W38

The purpose of this book is to show how this area, with its three dominant characteristics; the level land surface, the treeless region, and a sub-humid or arid climate, affected the various people who came to take and occupy it.

The chapters on the Spanish and American settlement of the great plains, the cattle kingdom, transportation and fencing, and search for water give excellent background material for workers who are not so well acquainted with the southwest. The chapter on literature of the great plains gives excellent references for those wishing further study.

A place on earth, a critical appraisal of subsistence homesteads. Editors: Russell Lord and P. H. Johnstone. USDA BAE. Washington, D. C. 1942.

Land policy and stock raising in the Western United States. Sanford A. Mosk. From: Agricultural History. Vol. 17. Jan. 1943.

WAR BACKGROUND

After the war - what? As discussed by Mr. Jay Franklin, E. F. Sitterley and O. G. Saxon. American Economic Foundation, Cleveland Ohio. 1942. 280 C244

Bulletin of the Pan American Union. Published monthly by the Pan American Union, Washington, D. C. Contains current articles on Pan American countries, art, literature, news, etc. Available for regular circulation.

Britain. Published monthly by the British Information Services, New York, toward a greater knowledge and a better understanding of America's allies, the people of Britain. Available for regular circulation.

Story of radar. Superweapon; story of radar, the "eyes" of our armed forces. J. M. Hightower. SD No. 89, 78th Cong. 1st Sess. Washington, D. C. 1943.

WATER SUPPLY

GROUND WATER. G. F. Tolman. McGraw-Hill, 1937. 292 T58

In the semiarid regions of the Southwest where water is King, the study of water conservation to meet the periodic deficiency in water supply is of vital importance. This book is the first general treatise on the science of ground water; its occurrence, motions, activities of subsurface water, and the hydrologic properties of water-bearing materials.

Ground water developments vary from the dug well to the projects of state or national government. Those responsible for these developments should become familiar with the occurrence of underground water.

WATER - HEALTH OR WASTE. W. C. Pryor and H. S. Pryor. Harcourt, 1939. 292 P95

The Pryors tell a vivid story in words and pictures. This might be called a "water panorama" and would prove useful in an educational program for upper-grade school children. It is excellent reading not only for the technician but for the general reader with a lively interest in historical facts as related to natural resources of the planet on which we live.

WILDLIFE

THE BOBWHITE QUAIL. Its habits, preservation and increase. H. L. Stoddard. Scribner, 1936. 413 St6

WILDLIFE REFUGES. Ira N. Gabrielson. Macmillan, 1943. 412.9 G11W

WILDLIFE REFUGES is the only complete account of wildlife sanctuaries in America. No other work discusses the growth of the idea and the various types of refuges - national and state parks and monuments, state sanctuaries, national forest refuges, and the great National Wildlife Refuge System itself. It is not a gloomy tale of waste and destruction as is the theme of some conservation literature. It is rather a story of accomplishment; and of great things that have already been done to build up the wildlife resources.

